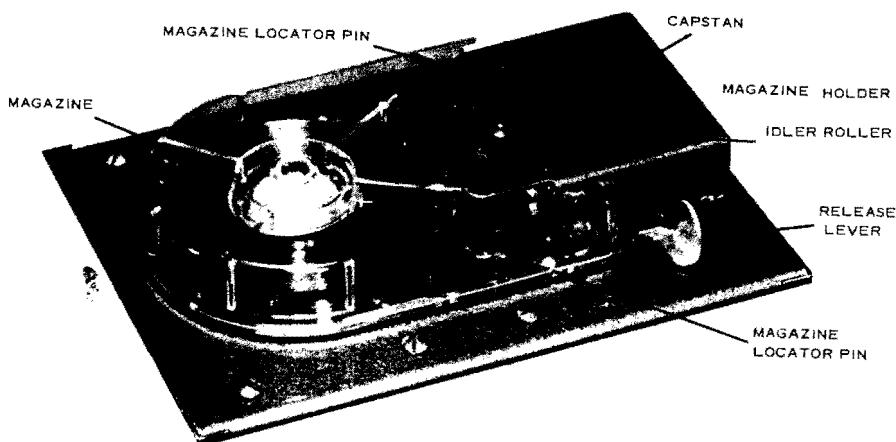


OPERATING INSTRUCTIONS

PENTRON

LP Magazine Repeater Model A-1



LP magazine repeaters are designed exclusively for the use of continuous tape magazines No. 5400 and No. 5600.

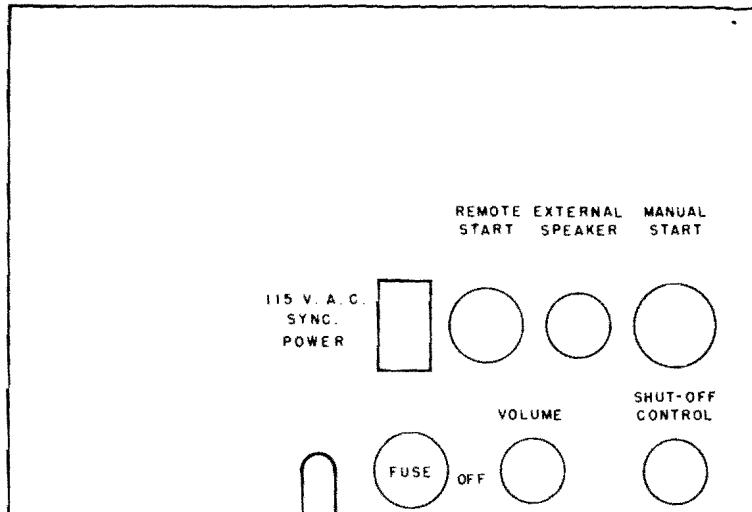
LOADING DIRECTIONS

Study the above photograph for the location of important components, then read the following instructions carefully.

- A. Remove packing material
- B. Disengage magazine holder by moving release lever to left.
- C. Place magazine into position with the two holes on bottom fitting over magazine locator pins on top plate.
- D. Push magazine holder firmly down on magazine, making sure release lever is completely retracted in holder slot. Playing position in firm contact between idler roller

NOTE: If machine is not to be used for extended periods, it is suggested that magazine holder be disengaged.

OPERATING INSTRUCTIONS



Study the above figure for location of important components, then read the following directions and suggestions.

LINE CORD

Plug line cord into wall outlet, making sure that current is 115 volt 60 cycle A.C.

OFF-ON VOLUME CONTROL

Turn on switch to apply power to machine. Adjust knob clockwise to increase amplifier volume.

STARTER BUTTON

Allow approximately one minute for amplifier tubes to warm up. Press starter button to activate motor.

REMOTE START

Where external control of motor is desired, plug in switchmat - photo electric cell - extension push button - or other activating devices into socket. (Note: Use pins 3 and 4 in wiring male plug.)

OL

— without automatic stopping — turn this control to position. For automatic stopping a voice operated relay the absence of sound on the tape opens a relay — The following procedure is recommended —

1. Make sure that tape preparation is in accord with instructions under "Special Tape Preparation..."
2. After loading machine with magazine — with cut-off control set midway between its two extreme positions, put machine into operation.
3. When first period of silence on tape is reached observe time required to shut off motor.
4. If machine does not shut off at this setting, control should be adjusted further counter-clockwise.
5. If machine shuts off within message, setting is too sensitive and adjustment clockwise should be made. (In some instances recording at too low a level may cause stopping within messages.)

EXTERNAL SPEAKER OUTLET

Plug speaker into Jack; speaker within machine becomes inoperative when plug is inserted. (Note: For best results speakers with 3.2 OHM impedance should be used.)

SYNCRONIZED POWER OUTLET

Plug into this outlet external devices requiring less than 100 watts. Power is available only when motor is running, providing synchronization for audio visual applications or point of purchase displays.

FUSE:

3 A.G. 1 AMP SLO-BLO

SPECIAL INSTRUCTIONS FOR TAPE PREPARATION

The following directions and suggestions are supplemental to the information contained in Pentron Special Products Division Manual "Recording and Loading Instructions for Continuous Tape Magazines No. 5400 and No. 5600."

- A. Recording on "Friction Free" magazine tape should be at a slightly higher level than normally used on regular tape.
- B. Recording should be at 3-3/4" per second either half track or full track, except in the instance of moebius loop which is full track.
- C. In loading the magazine, tape should be wound around the reel with the recording on inside of loop.
- D. For use of automatic stopping feature, the following procedure is suggested in tape preparation:

1. Re-read directions under "cut-off control."
 2. A minimum of five seconds of silence after messages is required for effective operation of the stopping arrangement. Less than this may result in unwanted stops within messages at pauses or "soft spots". Seven seconds of silence is recommended. (Note: Seven seconds is approximately 27 inches of tape at 3-3/4")
 3. When a number of "spot" messages are combined on one tape, all of the material should be at approximately the same level with the same length of silent periods between messages.
- E. Any tape prepared for automatic stopping may be used without this feature merely by adjusting the cut-off control.
- F. When small quantities of the same recording are required it is suggested that a "Master" be prepared and that with this played on one recorder duplicates be recorded on a second machine. Where large quantities of duplicates are required contact the factory or local tape duplicating studio.
- G. Where coding is required, varied colored Mylar leader tape may be spliced between recorded material.

MAINTENANCE

CLEANING

Dirt lodging on the playback head, rubber idler wheel, and capstan (rotating shaft) can cause distortion in playback. This material should be removed by an occasional cleansing of the parts using a soft cloth or cotton swab moistened with carbon tetrachloride or head cleaning solution.

LUBRICATION

All moving parts are oiled and sealed at the factory and except in instances where the machine is operated continuously for extended periods of time there should be no occasion to use oil. Where the capstan bearing appears dry, careful application of a drop of oil may be necessary. Under no circumstances should oil be left on the capstan as this will cause tape slippage and damage.

SERVICE

If your LP magazine repeater requires service, contact your dealer or the address of the authorized service station nearest you.

largest Exclusive Manufacturer of Tape Recorders

